

PAULI, M. et al.
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AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract of the Disclosure on the attached sheet as follows:

ABSTRACT OF THE DISCLOSURE

**Channel Estimation in a
Multi Carrier Transmit Diversity System**

A method and a stage ~~(60)~~ for estimating channel coefficients in a multi carrier system operating in accordance with a block-code based transmit diversity scheme, in which a data content of a code matrix is multiplexed in a frequency domain are described. The method comprises determining a phase ramp ~~(ϕ)~~_{est} in the frequency domain or an equivalent ~~(Δt)~~ thereof in the time domain, the phase ramp ~~(ϕ)~~_{est} or the equivalent ~~(Δt)~~ thereof being comprised within a receive signal ~~(Y)~~ after timing synchronization, processing the **receive signal** ~~(Y_{At})~~ to remove the phase ramp ~~(ϕ)~~_{est} or the equivalent ~~(Δt)~~ thereof and estimating the channel coefficients on the basis of the processed receive signal.

~~(Fig. 11)~~

~~6022~~